DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

26 HUMAN SECRETED PROTEINS

the specification of which was filed on December 1, 2000 as Application No. 09/726,643.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)	:				
				Priority C	Claimed
				Yes	No
(Number)	(Country)	(Day/N	Month/Year Filed)		
I hereby claim the benefit un listed below.	nder 35 U.S.C.	§ 119(e) o	of any United States p	orovisional a	application(s)
60/137,725	07 June	1999			
(Application Serial No.)	(Filing l	Date)			
I hereby claim the benefit un 365(b) of any PCT internation insofar as the subject matter United States or PCT international U.S.C. § 112, I acknowledge defined in 37 C.F.R. § 1.56 than the national or PCT international	onal application of each of the ational applicat the duty to dis that became av	n designat claims of tion in the sclose info ailable be	ing the United States, this application is not manner provided by ormation that is mater tween the filing date of	, listed below t disclosed in the first par- tial to patent	w and, n the prior agraph of 35 ability as
PCT/US00/15187	02 June 2	2000		Pending	
(Application Serial No.)	(Filing I	Date)	(Status: patente	ed, pending,	abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: James H. Davis (Reg. No. 40,582), Kenley Hoover (Reg. No. 40,302), Joseph Kenny (Reg. No. 43,710), Jonathan L. Klein (Reg. No. 41,119), Michele Wales (Reg. No. 43,975), and Mark J. Hyman (Reg. No. 46,789) of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20878.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first joint in	nventor:	Steven M. Ruben		
Inventor's signature:	No 1h	ll	Date:	368/01
Residence: 18528 H	leritage Hills Drive,	Olney, MD 20832	Citizenship:	ÚS
Post Office Address:	same as above			
Full name of additional j	joint inventor:	Charles E. Birse		· · · · · · · · · · · · · · · · · · ·
Inventor's signature:	Mir	<u> </u>	Date: _	3/28 01.
Residence: 13822 Sadd		Potomac, MD 20878	Citizenship:	GB UK.
Post Office Address:	same as above			
Full name of additional j	oint inventor:	Roxanne D. Duan		
Inventor's signature:	Roxanni	D. Deran	_ Date:	3/28/01
Residence: 5515 Northf	ield Road, Bethesda	, MD 20817	Citizenship:	US
Post Office Address:	same as above		_	
Full name of additional j	oint inventor:	Daniel R. Soppet		
Inventor's signature:			Date:	
Residence: 15050 Sti	illfield Place, Centre	eville, VA 22020	Citizenship:	US
Post Office Address:	same as above			
Full name of additional j Inventor's signature: Residence: 22400 Ro Post Office Address:	In the	Craig A. Rosen	Date: Citizenship:	4/20/01 US
		11.		·

Full name of additional joint inventor:	Yanggu Shi	
1 min	11/	= 2/08/N
Inventor's signature:	77 ×M	_ Date: 0/20/01
Residence: 437 West Side Drive, Apt. 102,		Citizenship: <u>-CN-U</u>
Post Office Address: same as above		
Full name of additional joint inventor:	David W. LaFleur	
Inventor's signature:	1	Date: 3/24/01
Residence: 3142 Quesada Street, N.W., W	ashington DC 20015	Citizenship: US
Post Office Address: same as above	asimigion, DC 20013	Chazenship. Ob
Total Cilica Fadross.		
Full name of additional is intinventors	Henrik Olsen	
Full name of additional joint inventor:	Hellik Olsen	01.
Inventor's signature:	×i^	Date: 3(28/0)
Residence: 182 Kendrick Place, #24, Ga	aithersburg, MD 20878	Citizenship: DK
Post Office Address: same as above		
Full name of additional joint inventor:	Reinhard Ebner	
run hame of additional joint inventor.	Reinhard Ebher	
Inventor's signature:		Date:
Residence: 9906 Shelburne Terrace, #316, C	Gaithersburg, MD 20878	Citizenship: DE
Post Office Address: same as above		
Full name of additional joint inventor:	Kimberly A. Florence	e
101	11	/
Inventor's signature:	Therence	Date: 4/23/01
Residence: 12805 Atlantic Avenue, Rockvil	le, MD 20851	Citizenship: US
Post Office Address: same as above		
Full name of additional joint inventor:	Jian Ni	_
•		4/3/01
Inventor's signature:		Date:
Residence: 5502 Manorfield Road, Rock	cville, MD 20853	Citizenship: <u>CN</u>
Post Office Address: same as above		· · · · · · · · · · · · · · · · · · ·
Full name of additional joint inventor:	Paul Young	
		1
Inventor's signature:	$\chi_{}$	Date: 06/27/0[
Residence: 201722 Beckwith Street, Garthe	rsbyrg, MD 20878	Citizenship: /US
Post Office Address: same as above	V	

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Prior Foreign Application(s):			Priority C	Claimed
				Yes	No
(Number)	(Country)	(Day/M	onth/Year Filed)		
I hereby claim the benefit the listed below.	under 35 U.S.C.	§ 119(e) o:	f any United States p	provisional a	application(s)
60/137,725 (Application Serial No.)	07 June (Filing				
I hereby claim the benefit to 365(b) of any PCT internations of a state subject matter. United States or PCT internations. C. § 112, I acknowled defined in 37 C.F.R. § 1.56 and the national or PCT in	tional application or of each of the national application ge the duty to di of that became av	n designati claims of t tion in the sclose info ailable bet	ng the United States this application is no manner provided by mation that is mate ween the filing date	, listed below t disclosed in the first par rial to paten	w and, in the prior ragraph of 35 tability as
PCT/US00/15187	02 June	2000		Pending	
(Application Serial No.)	(Filing	Date)	(Status: patent	ed, pending,	, abandoned)

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Full name of first joint	inventor:	Steven M. Ruben		···
Inventor's signature:			Date:	
Residence: 18528	Heritage Hills Drive	, Olney, MD 20832	Citizenship:	US
Post Office Address:	same as above			
Full name of additional	joint inventor:	Charles E. Birse		
Inventor's signature:			Date:	
Residence: 13822 Sado	ileview Drive, North	h Potomac, MD 20878	Citizenship:	GB
Post Office Address:	same as above			
Full name of additional Inventor's signature:	joint inventor:	Roxanne D. Duan	Date:	
Residence: 5515 North	field Road, Bethesd	a, MD 20817	_ Citizenship:	_US_
Post Office Address:	same as above			
Full name of additional	joint inventor:	Daniel R. Soppet		
Inventor's signature:	Dancel	K Soppel	Date: مركن	27/01
Residence: 15050 S	tillfield Place, Centi	reville, VÁ 22020	Citizenship:	US
Post Office Address:	same as above			
Full name of additional	joint inventor:	Craig A. Rosen		
Inventor's signature:			Date:	
_	olling Hills Road, L	aytonsville, MD 20882	Citizenship:	US
Post Office Address:	same as above			

Full name of additional joint inventor:	Yanggu Shi		
		_	
Inventor's signature:		_ Date:	
Residence: 437 West Side Drive, Apt. 102, 0	Gaithersburg, MD 20878	_ Citizenship:	<u>CN</u>
Post Office Address: same as above			
7 P 6 111/4 11:24 (manufacture	David W. LaFleur		
Full name of additional joint inventor:	David W. Larieur		
Inventor's signature:		Date:	
Residence: 3142 Quesada Street, N.W., W.	ashington, DC 20015	Citizenship:	US
Post Office Address: same as above		·	
1001 011100 11001000			
Full name of additional joint inventor:	Henrik Olsen		
	,	D (
Inventor's signature:	1 NED 20079	Date:	DK
Residence: 182 Kendrick Place, #24, Ga	aithersburg, MD 208/8	Citizenship:	DK
Post Office Address: same as above			
Full name of additional joint inventor:	Reinhard Ebner		
Till hame of additional joint inventor.			
Inventor's signature:		Date:	
Residence: 9906 Shelburne Terrace, #316, C	Gaithersburg, MD 20878	Citizenship:	DE
Post Office Address: same as above			
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	TZ: 1 1 A El-	_	
Full name of additional joint inventor:	Kimberly A. Florence	e	
To contain a constant		Date:	
Inventor's signature: Residence: 12805 Atlantic Avenue, Rockvil	le MD 20851	Citizenship:	US
Post Office Address: same as above			
1 Ost Office Address.			
Full name of additional joint inventor:	Jian Ni		
		.	
Inventor's signature:		Date:	CNI
Residence: 5502 Manorfield Road, Rock	cville, MD 20853	Citizenship:	<u>CN</u>
Post Office Address: same as above			
Full name of additional joint inventor:	Paul Young		
Full hame of additional joint inventor.			
Inventor's signature:		Date:	
Residence: 122 Beckwith Street, Gaithe	ersburg, MD 20878	Citizenship:	US
Post Office Address: same as above			
			

PCT/US00/15187

(Application Serial No.)

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Prior Foreign Applicatio	n(s):		Priority C	
			Yes	No
(Number)	(Country)	(Day/Month/Year Filed)		
I hereby claim the benefi listed below.	t under 35 U.S.C. {	§ 119(e) of any United State	s provisional a	pplication(s)
60/137,725	07 June	1999		
(Application Serial No.) (Filing I	Date)		
365(b) of any PCT interninsofar as the subject ma United States or PCT inte U.S.C. § 112, I acknowle	national application tter of each of the of ernational application edge the duty to dis 56 that became ava	designating the United States as designating the United State staims of this application is non in the manner provided beclose information that is mailable between the filing date of this application.	tes, listed below not disclosed in by the first para sterial to patent	v and, in the prior agraph of 35 ability as

Pending

(Status: patented, pending, abandoned)

02 June 2000

(Filing Date)

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Full name of first joint inventor:	Steven M. Ruben		
Tourse de miles d'annual de la company de la		Data	
Inventor's signature:	01 100 00000	Date:	
Residence: 18528 Heritage Hills Drive,	Olney, MD 20832	_ Citizenship:	US
Post Office Address: same as above			
Full name of additional joint inventor:	Charles E. Birse	****	
Inventor's signature:		Date:	
Residence: 13822 Saddleview Drive, North	Potomac, MD 20878	Citizenship:	GB
Post Office Address: same as above		- *	
Full name of additional joint inventor:	Roxanne D. Duan		· · · · · · · · · · · · · · · · · · ·
Inventor's signature:		Date:	
Residence: 5515 Northfield Road, Bethesda	a, MD 20817	Citizenship:	US
Post Office Address: same as above			
Full name of additional joint inventor:	Daniel R. Soppet		
Inventor's signature:		Date:	
Residence: 15050 Stillfield Place, Centre	eville, VA 22020	Citizenship:	US
Post Office Address: same as above			
Full name of additional joint inventor:	Craig A. Rosen		
Inventor's signature:		Date:	
Residence: 22400 Rolling Hills Road, La	aytonsville, MD 20882	Citizenship:	US

Full name of additional joint inventor:	Yanggu Shi		
Inventor's signature:		_ Date:	
Residence: 437 West Side Drive, Apt. 102, Ga	ithersburg, MD 20878	Citizenship:	<u>CN</u>
Post Office Address: same as above		····	
Full name of additional joint inventor:	David W. LaFleur		
Tun name of additional joint inventor.	David W. Larieui		
Inventor's signature:		Date:	
Residence: 3142 Quesada Street, N.W., Wash	hington, DC 20015	Citizenship:	US
Post Office Address: same as above		1	
National Association and Assoc			
Full name of additional joint inventor:	Henrik Olsen		
		D (
Inventor's signature:	1 MD 20070	Date:	DIZ
Residence: 182 Kendrick Place, #24, Gaith	nersburg, MD 20878	Citizenship:	DK
Post Office Address: same as above			
Full name of additional joint inventor:	Reinhard Ebner		
			7 02 2
Inventor's signature:	5	Date: Tark	~L+,U
Residence: 9906 Shelburne Verrace, #316, Gair	thersburg, MD 20878	Citizenship:	DE/
Post Office Address: same as above			
Full name of additional joint inventor:	Kimberly A. Florence	<u> </u>	
Torrest of a minor transfer		Data	
Inventor's signature:	MD 20061	_ Date:	LIC
Residence: 12805 Atlantic Avenue, Rockville, Post Office Address: same as above	IVID 20831	_ Citizenship:	<u>US</u>
Post Office Address: same as above		<u></u>	
			-
Full name of additional joint inventor:	Jian Ni		
			·····
Inventor's signature:		Date:	
Residence: 5502 Manorfield Road, Rockvil	lle, MD 20853	Citizenship:	CN
Post Office Address: same as above			
Full name of additional joint inventor:	Paul Young		
T		70.	
Inventor's signature:) (D 00000	Date:	TIC
Residence: 122 Beckwith Street, Gaithersb	urg, MD 208/8	Citizenship:	<u>US</u>
Post Office Address: same as above			

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Ruben et al. Atty. Docket No.: PZ040P1C1

Application Number: Unassigned Group Art Unit: Unassigned

Filed: Herewith (January 11, 2002) Examiner: Unassigned

Title: 26 Human Secreted Proteins

ASSOCIATE POWER OF ATTORNEY

Commissioner for Patents Washington, D.C. 20231

Sir:

The undersigned attorney of record hereby appoints the Practitioners at Customer Number **22195** as associate attorneys/agents to prosecute the application identified above, including any continuation or divisional applications, and to transact all business in the United States Patent and Trademark Office connected therewith.

Respectfully submitted,

Date: Vinucry 1(2002

Kenley K. Hoover Attorney for Applicants

Actionies for Applicants

Human Genome Sciences, Inc.

Reg. No. 40,302

9410 Key West Avenue Rockville, MD 20850 Telephone: 301 610-5771

KKH/JMM/DS/mlm

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned, Ruben, Birse, Duan, Soppet, Rosen, Shi, LaFleur, Olsen, Ebner, Florence, Ni, and Young hereby sells, assigns, transfers, and sets over to Human Genome Sciences, Inc. ("Assignee") having a place of business at 9410 Key West Avenue, Rockville, MD 20850, its successors, assigns and legal representatives, his/her entire right, title and interest, including the right to sue and collect for all past, present and future damages, for the United States of America, including all its territories and possessions, and all other countries,

- (a) in and to the invention(s) known as 26 Human Secreted Proteins for which application(s) for patent in the United States of America has (have) been executed by the undersigned on 3/28/01, 3/28/01, 3/28/01, 3/28/01, 3/28/01, 4/23/01, 4/3/01, 6/27/01

 (also known as United States Application No. 09/726,643, filed December 1, 2000), in any and all applications thereon, in any and all Patent(s) therefor, and
- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing (continuation, divisional) applications, reissues, extensions, renewals and reexaminations of the patent application or patent therefor listed above in part (a), to the full extent of the term or terms for which patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals, and examinations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

Each of the undersigned further agrees that said Assignee may apply for and receive patent(s) for said invention(s) in its own name; and agrees to execute all papers necessary in connection with said application(s) and any continuing application(s) (continuation, divisional, or continuation-in-part), substitutes, renewals, reissues, reexaminations, extensions, and all other patent applications on all such invention(s), including all rightful oaths, declarations, powers of attorney and other papers; and agrees to execute separate assignments in connection with such application(s) as the Assignee may deem necessary and expedient; and agrees to communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said invention(s) and the history thereof; and agrees to cooperate fully and completely with said Assignee, its successors, assigns, and representatives in securing, maintaining, and enforcing proper patent protection for said invention(s) and for vesting title to said invention(s) and all patent applications and all patents on said invention(s) in Assignee, its successors, assigns and representatives.

Each of the undersigned agrees to execute all papers necessary in connection with any interference that may be declared or litigation that may be instituted concerning the application(s) or patent(s) referred to above and to cooperate fully and completely with the Assignee, its successors, assigns, and representatives in obtaining evidence and going forward with such interference or litigation, including providing testimonial evidence.

Each of the undersigned hereby represents and warrants to Assignee, its successors, assigns and representatives that no assignment, grant, mortgage, license or other right or agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned and that full right to convey the same as expressed herein is possessed by the undersigned.

Each of the undersigned hereby grants the power to James H. Davis (Reg. No. 40,582), Kenley Hoover (Reg. No. 40,302), Michele Wales (Reg. No. 43,975), Jonathan Klein (Reg. No. 41,119), Joseph Kenny (Reg. No. 43,710), and Mark J. Hyman (Reg. No. 46,789) of Human Genome Sciences, Inc., 9410 Key West Avenue, Rockville, MD, 20850 to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

PZ040P1

signature(s): Inventor's Signature: Inventor's Signature: Charles E. Birse

IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their

Inventor's Signature:

Roxanne D. Duan

Inventor's Signature: Date: Dapiel R. Soppet

Inventor's Signature: Craig A/Rosen

Inventor's Signature: Yanggu Shi

Inventor's Signature:

Inventor's Signature: Henrik Olsen

Date:

Inventor's Signature: Reinhard Ebner

Inventor's Signature: Kimberly A. Florence

Date: Inventor's Signature: Jian Ni

Inventor's Signature Paul Young

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned, Ruben, Birse, Duan, Soppet, Rosen, Shi, LaFleur, Olsen, Ebner, Florence, Ni, and Young hereby sells, assigns, transfers, and sets over to Human Genome Sciences, Inc. ("Assignee") having a place of business at 9410 Key West Avenue, Rockville, MD 20850, its successors, assigns and legal representatives, his/her entire right, title and interest, including the right to sue and collect for all past, present and future damages, for the United States of America, including all its territories and possessions, and all other countries,

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- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing (continuation, divisional) applications, reissues, extensions, renewals and reexaminations of the patent application or patent therefor listed above in part (a), to the full extent of the term or terms for which patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals, and examinations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

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IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature:		Date:	
•	Steven M. Ruben		
Inventor's Signature:		Date:	
	Charles E. Birse		
Inventor's Signature:		Date:	
	Roxanne D. Duan	.7	
Inventor's Signature:	ref ZSorpe	Date: 03/27	<u>/8/_</u>
	Daniel R. Soppet		
Inventor's Signature:		Date:	
	Craig A. Rosen		
Inventor's Signature:		Date:	
	Yanggu Shi		
Inventor's Signature:		Date:	
	David W. LaFleur		
Inventor's Signature:		Date:	
	Henrik Olsen		-
Inventor's Signature:		Date:	
	Reinhard Ebner		
Inventor's Signature:		Date:	
	Kimberly A. Florence		
Inventor's Signature:		Date:	
	Jian Ni		
Inventor's Signature:		Date:	
	Daul Voung		

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned, Ruben, Birse, Duan, Soppet, Rosen, Shi, LaFleur, Olsen, Ebner, Florence, Ni, and Young hereby sells, assigns, transfers, and sets over to Human Genome Sciences, Inc. ("Assignee") having a place of business at 9410 Key West Avenue, Rockville, MD 20850, its successors, assigns and legal representatives, his/her enture right, title and interest, including the right to sue and collect for all past, present and future damages, for the United States of America, including all its territories and possessions, and all other countries,

(a)	in and to the invention(s) known as 26 Human Secreted Proteins for which application(s) for patent in the
,	United States of America has (have) been executed by the undersigned on
	3/27/01
	(also known as United States Application No. 09/726,643, filed December 1, 2000), in any and all
	applications thereon, in any and all Patent(s) therefor, and

- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing (continuation, divisional) applications, reissues, extensions, renewals and reexaminations of the patent application or patent therefor listed above in part (a), to the full extent of the term or terms for which patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals, and examinations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

Each of the undersigned further agrees that said Assignee may apply for and receive patent(s) for said invention(s) in its own name; and agrees to execute all papers necessary in connection with said application(s) and any continuing application(s) (continuation, divisional, or continuation-in-part), substitutes, renewals, reissues, reexaminations, extensions, and all other patent applications on all such invention(s), including all rightful oaths, declarations, powers of attorney and other papers; and agrees to execute separate assignments in connection with such application(s) as the Assignee may deem necessary and expedient; and agrees to communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said invention(s) and the history thereof; and agrees to cooperate fully and completely with said Assignee, its successors, assigns, and representatives in securing, maintaining, and enforcing proper patent protection for said invention(s) and for vesting title to said invention(s) and all patent applications and all patents on said invention(s) in Assignee, its successors, assigns and representatives.

Each of the undersigned agrees to execute all papers necessary in connection with any interference that may be declared or litigation that may be instituted concerning the application(s) or patent(s) referred to above and to cooperate fully and completely with the Assignee, its successors, assigns, and representatives in obtaining evidence and going forward with such interference or litigation, including providing testimonial evidence.

Each of the undersigned hereby represents and warrants to Assignee, its successors, assigns and representatives that no assignment, grant, mortgage, license or other right or agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned and that full right to convey the same as expressed herein is possessed by the undersigned.

Each of the undersigned hereby grants the power to James H. Davis (Reg. No. 40,582), Kenley Hoover (Reg. No. 40,302), Michele Wales (Reg. No. 43,975), Jonathan Klein (Reg. No. 41,119), Joseph Kenny (Reg. No. 43,710), and Mark J. Hyman (Reg. No. 46,789) of Human Genome Sciences, Inc., 9410 Key West Avenue, Rockville, MD, 20850 to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature:		Date:
0	Steven M. Ruben	
Inventor's Signature:		Date:
	Charles E. Birse	
Inventor's Signature:		Date:
0	Roxanne D. Duan	
Inventor's Signature:		Date:
0	Daniel R. Soppet	
Inventor's Signature:		Date:
<u> </u>	Craig A. Rosen	
Inventor's Signature:		Date:
	Yanggu Shi	
Inventor's Signature:		Date:
	David W. LaFleur	
Inventor's Signature:		Date:
	Henrik Olsen Reinhard Ebner	2 22 24
Inventor's Signature:	J. Uncs	Date: <u>3-27-01</u>
	Reinhard Ebner	
Inventor's Signature:		Date:
	Kimberly A. Florence	
Inventor's Signature:		Date:
	Jian Ni	
Inventor's Signature:		Date:
	Paul Young	